WILL CONCRETE SHIPS DEFEAT

Experts Argue That Torpedoes Will Not Sink New Ship-**Building Productions**

Reports that the first concrete hull has been built on the Pacific Coast and will be towed to Honolulu to test its seaworthiness lends local interest to the discussion of the comparative claimfor the steel ship and the wooden ship which raised the question whether any more novel form of marine construction offers improvements. A Boston expert in construction engineering has written for the Boston Record the claims for the ship of reinforced concrete, his argu ment being that it is quickly construct ed, of large earrying expeity, and proof against destruction from torpedo at tack. He writes;

It is urgent that every effort be made by inventors and specialists in modern construction to bring out a strong sea going ship that can be built and be proof against the torpedo. A number of men of inventive minds are working on the problem, and with the aid of speeinlists, each in their own line, the tor pedo proof ship will soon be affont. One proposition was made and illustrated in the Scientific American of June 9 by Hudson Maxim. He says:

"It is necessary at this time to stim ulate inquiry and invention with re spect to ways and means for protecting freight ships and troop ships against torpedoes, and while I believe that my plan of torpede-proofing ships will be very efficient, and that it is the best thing that has yet been suggested, still what I have done may possibly serve as a suggestion to lead some other inventor to do far better than I have done; and the facts that I have given in this arti cle about the nature and action of the explosive blast will help others in the investigation and understanding of this

It is by the careful study and re search given by the specialists, the marine engineer, the concrete engi neer, the naval architect and the gur expert, each doing his own part, that the problem will be successfully solveand will bring forth the ship of such sturdy strength that on the new ship the submarine will have lost its power

Many are conversant with the featengineering accomplished with re inforced concrete; factories and manu facturing plants having great strength and practically free from vibration, bridges capable of carrying any load demonstrated facts, but its possi bilities in modern shipbuilding are not so well known. But nearly every coun in the world is making some use of reinforced concrete as applied to shipbuilding. It remains for the meth ods to be thoroughly worked out and perfected by specialists to give the practically an indestructible ship.

This article is to deal with the tor pedo-proof ship; the writer make public his plans for the same reason as that given by Hudson Maxim, in ventor of the gun silencer; the per fected work is for our common good and to defeat the enemy. Let other specialists bring forth their experience to perfect the weak points that they may discover, and the work of putting marine out of commission (a far as the new ship is concerned) accomplished. Let us put forth every effort to build up quickly an unsink able, fireproof merchant marine.

The Concrete Ship My plans make little if any change in the outward appearance of our modern steel ship, except that the structural part of the ship is of t specially prepared emulsified concrete reinforced with a fabricated network of steel rods that binds the ship to gether in every part, giving great strength and making the structure one heads, partitions, etc., are interwoven together in one continuous mass of steel and concrete. The ship has two hadls and a double bottom; the double hull runs to above the water line all around the ship. There is a space of ft.0 in. between the outer and inner hull which is divided every 12 ft., making a continuous number of watertight compartments 3 ft. 0 in. x 19 ft.-0 in, girding every part of the ship to above the water line. In the center of this 3 ft.-0 in. space is a system of fabricated steel rods looking somewhat like a heavy wire fence; the purpose of which will be explained later. This space between the double hulls and double bottom is not wasted, but being watertight, is used as storage tanks for carrying oil cargoes and for storing fuel for the ship's engines, the vessel being driven by oil engines, requiring

driven vessel and giving more space for freight. The design and methods of fabricat ing the steel reinforcing rods is such as to make a ship strong enough to resist the heaviest sort of a gale with out straining herself, yet no attempt is made in this plan to build the outer hull heavy enough to resist the ex phosion of a torpedo; so let us suppose buch a ship is struck by a torpedo force of the explosion is so great that a hole two or three feet in diameter may be shattered in the outer hull, and now appears the use for the fabricated rods (of strong wire fence) inside the

much smaller crew than a steam

proce between the two hulls.

Torpedo Made Harmless

These rods work on the same prineiple as Mr. Maxim's gun silencer, they dissipate, or in other words break up the force of the explosion, at the same time they protect the walls of the inner hull from being damaged by flying pieces of the concrete; thus a rection 3x12 feet is damaged and its carge of oil is thrown against the force of the explosion, but this of itself lelps to cool the hot gases caused by the explosion; each 3x12 foot section is vented at the upper deck with a hatch that opens outward to let the explosive gases escape. The torpedo has now done its worst, and the ship

PREFERS CUPID TO

False Name But Gives Correct One For Marriage License

The best man at the proposed wedling of a Hawaii County groom was sheriff Pua, a fact which has led the groom to believe that he was well taken on the marriage business,

And he was. He's in Sheriff Pua pail and the registration board is about o get full particulars in an official re Cupid was the only captain of he kind of army this Hawaii County happie wanted to enlist in, which is partially commendable in these parlous times, particularly as he hought he had a way to beat the regis ration business. It can't be done.

According to despatches from Hilo he registrant duly possessed himself of registration card by the simple ex sedient of giving a false name. If the ame he gave happened to be drawn, as me could see with half an eye, it would ot mean anything in his young life; out to make exemption doubly sure, he ushed from the registrar to the altar Ie would have rushed, that is, if in the securing of a marriage license he had tot given his right name. As the two vould not jibe, Sheriff Pun called for a ersonal explanation, and they left for

he lock up arm in arm.

From Maul comes another queer tale, ut this time the prosecution, if any ollows, will not be from the registra ion board. John Morreira Jr. of Ma cawao, according to Maui papers, preented himself at the sheriff's office and Mered to register, but produced certifi ates proving that he was only twenty ears old. He was not permitted to egister, but investigation disclosed the act that he had voted in two elections lready. His excuse was that he hought—and had been told—that he ras old enough to vote, but that when e offered to register his relatives pro uced the certificates showing that he vas under age.

An investigation is being made.

Hilo Prepares For **Next September** Races In Honolulu

HILO, August 9-Enthusiasm in oat racing still prevails among mem-ers of the Hilo Yacht Club, due in a reat measure to the success achievd against the Honolulu veterans in he July 4 events. There are now half dozen new nem taking instruction n the pair oar boat, and as four of hem are husky individuals it is hoped hat from this good material some fine arsmen will be developed. In the course of the next couple of

eeks, it is planned to hold a series f practise races, but this will wholly epend on the progress made by the

Hilo will certainly be well represent d by oarsmen at the Honolulu races eptember next, and with the enthusistic work which is being done by nembers and officials of the yacht tub, it is assured that the showing GERMAN MINE TAKES

VILLIONAIRE HAS

Associated Press By U. S. Naval Com

munication Service) NEW YORK, August 7-Kingdon Sould, railway magnate, son of George fay Gould, and thirty years old, has ntered a pien of exemption on the ground that he has dependents to support. He successfully passed the phy deal test as a member of the new traft army.

Kingdon Gould is vice president and lirector of the Denver & Rio Grande R. Co., Texas & Pacific R. R. Co., he Utah Fuel Co., and president and firector of the Consolidated Coal Co.

as lost a few hundred gallons, maybe, of fuel oil, but the damage can readfly e repaired in a few hours on arrival water without decreasing its ett said.

Actual loans made up to June 6 before.

It will also be seen that if a vessel of this kind should be damaged by sollision or by striking a rock or an iceberg, only her outer hull could be damaged, while her freight and passenger, are never a re-project to their dataset.

Was in the water on the shot but not before.

When the men did get away it developed into a pretty race. Kelii fouled sociations have been given charters, the Lane, getting far out of his course, but it made no difference. Lane won damaged, while her freight and passengers are project to their dataset.

Was in the water on the shot but not before.

The 50-yard service was another niple of the course of the shot but not have been given the course, before.

Lane, getting far out of his course, but it made no difference. Lane won disserved to their dataset.

Miss Gerd Hiorth, unattached, won sengers are carried to their destinaion in safety. A few of the items to

ecommend such a vessel are:-First. A stronger and more durable sen going vessel at less cost. Second, can be built in onehalf the time required for a wood or steel vessel.

Third. An absolutely fire-proof

structure. Fourth, A vessel practically free from vibration, greatly adding to life of machinery and comfort of

Fifth. A saving in up-keep; the hull, all outside and exposed surfaces can be of white cement, effeeting a large saving in painting,

Sixth. The attainment of graceful lines and good design at no added cost, owing to the flexibility of the material whole in its plastic state. Seventh. A powerfully, strong hall with an outer surface as even and smooth as glass and proof against

barnacles and corresion Eighth. The arrangement of a series of watertight compartments that will make the vessel practically unsinkable.

EX-GERMAN CRUISER MARS, GOD OF WAR GEIER TO ENTER WAR

Vessel Seized From Huns To Be Put In Commission

-The ORIGINA

The cruiser Geler which skittered to this port three years ago with the Ger-man battle ensign from her stern, and a Japanese cruiser twice her size hot foot after her, is at last going to get a chance in the world war.

Some time in the near future, prob ably sooner than between September 1 and 5, the dates mentioned, the Geier will be put in commission as the American cruiser Carl Schurz. Ever since America declared war on the Hun- and her officers tried to burn her up in violation of their parole, the vessel has been in the hands of the naval mechanics and smiths at Pearl Harbor high seas.

A crew is being gathered for her by Captain George R. Clark, commandant of the local naval district, and the men. July, 1915. already detailed to her are now aboard. although still, on paper, attached to the Alert and other ships. The commandant expects a commander for the Schurz to arrive from the Coast shortly, but states that the movements or future duty of the vessel are doubt-ful and lie with Washington. It is not Hawaiian station or be transferred.

The Geier has at several times been mixed up with American naval history tached team is not a club team. This and played rather a prominent part off permitted Palama to the Healani. Cuba during the Spanish American war. At that time her officers and men enjoyed some coarse jokes at the expense of the American seamen, and ing there is consequently little regret that self. the fortunes of war have led her to a transfer to the United States Fing.

The Geier, which escaped the Japa nese squadron by the proverbial skin of her teeth when she sneaked into port here at the beginning of the war, had an interesting week of it before she was interned. Treated with the atmost leniency by the American officials and given every opportunity to refit and coal, as she announced was her intention, the presence off port of a first class Japanese eruiser loaded for bear and Germans had some slight deterring influence on Captain Grashoff and his jolly men. The skipper pretended to be highly indignant when the officials finally lost their patience and interned him and his ship.

The Japanese cruiser went away sat isfied and the United States Navy which took charge of the vessel, ex ended every courtesy to the men, permitting the ship's company to live on board, the officers giving their parole and pledging themselves for their At the time America severed relations with Germany, Grasshof, after three years of every attention and courtesy violated his parole, had his men atfire to her at the wharf.

Within a few weeks, however, the Geier will cease to exist and the Carl Schurz, under a better Flag, will take her place. As "Geier" is German for vulture, the change of name while changing the flag is exceedingly ap-

THIRTY GERMAN LIVES

DEPENDENT FOLKS Patrol Steamer Comes In Contact With Explosives

> (Associated Press by U. S. Naval Communication Service)
> LONDON, August 11—Thirty German

plications for charters from 687 na-

D.J.Collis Brownes

-SPORTS -Big Islander Registers Under Rechristened the Carl Schurz, Langer Sets New

American Record For Five-hundred

Ludy Breaks Own Mark - Lane Betters Hawaiian Indoor Time For Hundred

The first Hawaiian championship inloor swimming meet closed at the Y. M. C. A. last night in a blaze of glory and a shower of rain.

Ludy Langer set a new American and is again ready for duty on the indoor record for the 500 yard swim. 6:13 1-5, breaking his own record of 6:13 4-5, made at San Francisco in

> Palama and Healani tied for first place in the total number of points for clubs with twenty-eight each. The disposition of the club cup remained undecided last night.

The Hui Nalu relay team, swimming "onattached," won the club relay known whether she will remain at the in a great finish, Palama being second, but the points of the race were credit ed to Palama, inasmuch as an unat

> A new Hawaiian record for the 100 yard swim was set by Clarence Lane of Palama, whose time was :56 4 5, break ing the record of :57 2 5, held by him

Governor Pinkham presented the redals to the wigners before the swimming of the club relay. The Governor complimented the swimmers on having caught the spirit of the times in tak ing "to the water." The President was about to force all to do that, and the Governor's guests already had done it. This raised a laugh.

The 220-yard service was a fizzle It was declared no race because the starter's pistol was fired two laps too soon, at the end of the eighth instead of at the end of the tenth, and all the men stopped at the end of the ninth. Two finished the 220 yards. The race probably will be swum over at the September meet, it was said last night Last night's crowd was about as large as that of the first evening, Wednesday, when between 700 and 800 persons saw the races. Heavy showers fell, however, and there were many vacant seats when the meet closed.

Ludy Swims Great Bace Langer's performance in the 500yard championship race was the out-standing feature. Ludy and Stubby fought it out; Rowat of Healani did not figure strongly. Langer and Kruger swam a close race for half the distance. Stubby outswam Ludy slightly on the straightaway, but lost his advantage on the turns. Toward the close of the race Kruger's turning improved much, and Ludy's deteriorated, but Langer called upon his marked staying

Kruger did not begin to challenge Langer until the last two laps. Had watch of another was between 1.5 and 2'5, and the fifth caught it at 2 5. The time stands at 6:13 1-5.

Kahanamoku Is a Whirlwind

The club relay, the last event of the two day program, was the most spec-tacular of all. Palama finished with that Miss Taricton should not be prelives were lost yesterday when a Gerlives were lost yesterday when a German patrol ship came into collision
with a mine set by their own people is
the report contained in a Copenhagen
despatch which was received last-night.

Hui Nalu, showed his world's championship speed, swimming at a tremendous pace, which would have broken the heart of any swimmer in the
world, and Hui Nalu, or the 'unattached' team, finished with eight
yards or so to spare. Palama and the
Healanis were close together for a few
laps, but thereafter Healani dropped
back and left the race to Hui Nalu
and Palama. The time was 3:18 1-5.

The 200 yard breast-stroke championship was a good race and a severe
trial for the swimmers. F. G. Richardson of Outrigger and Pua Kealoha
of Palama ran a neck and neck race,
after four or five laps, with George B.
Hroome of the Alert and Richard Carfive yards behind. Richardson slowindependent of the same of the laps, with George B.
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In the 200 yard breast-stroke chamthe 200 yard breast-stroke chamth

The 100-yard championship race was finish. Carter was disqualified for marred by two false starts, for which touching with only one hand, but Keational farm loan associations are on Capt. W. M. H. Britton was jeered by loha, who was second, was guilty of file with the Spokane federal farm loan some in the crowd. The captain was the same infraction of the breast-bank, it was announced here recently entirely correct. Lane and Kelii should stroke rules. The time, 3:07 2-5 was by George C. Jewett, secretary. The learn that it isn't good form to beat much slower than the Hawaiian recit her destination, or even while at members of these associations are seek the gun, which they did both times, ord, 3:02 2.5 held by George Keaweea if necessary, as concrete will set ing loans aggregating \$24,000,000, Jew- Thurston showed his usual coolness and mahi. was in the water on the shot but not

POINT-WINNERS BY CLUBS

The following table gives the cinb and service winners by total points for both nights. Only the open competitions are counted. The women's and other closed races being left out of consideration.

O. P. H. U. 50 championship 200 breast strake 500 champlonship

Club relay SERVICE A 10 514 814 4

D. De Russy; A. Alert; F. Engineers. v Alert, 1 point on championship breast-stroke, open.

SUMMARY OF MEET

In the following summary. U indicates unattached: P Palama, O Outrigger; H. Healanf: A Abert; D. De Russy.

50 yard novice—Watt. O: Harvey. O: you Holt. O. Time, 26 1-5.

160 yard chasuplouship—Lanc. P; Kell. H: Thurston. O. Time, 56 4-5. a new Hawalian record.

50 yard for girls less than 15—Eleanor Lyser, O: Edith Kenn. P: Thelma Kenn. P; Elsie Auld. P. Time, 36 4-5.

260-yard breast-stroke championship—Richardson. O: Pua Kealoha. P; A. Groome, A. Time, 262 2-5.

50 yard service—Pingry. D: Murphy. A: O'Brien. A. Time, 27 2-5.

160-yard women's championship—Gerd Horth. U; Josephine Hopkins, O. Time. 1:20 1-5.

500-yard championship—Langer. U; Kruser. H: Rowatt. H. Time, 8:13 1-5. new American record.

Springhoard diving—Thurston. O. 126 usints; Fuller, H, 125 1-3; Horth, H, 122 8-10.

250-yard service—No race: all contestants stopped at end of rinth lap; two completed eleventh lap: starter's pistol fixed two laps tou soon.

eleventh lap: starter's pistol fixed two laps too soon.

Club relay, six men swimming 60 yards each—Unattached (Hul Nalu), Holstein, Kauskanul, Kaupiko, McKinney, Boyd, Duke Kahanamoku. Time 3:18-1-5. The Hul Nalu team, swimming unattached, was not awarded points, although it was first, and Palama, second, was awarded the tenpoints for first.

Palama, second, Kahaleanu, Kaebu, R. Carter, Matsugoma, Pua Kealoha, Lane.

Healani, third, Ah Kin Yee, Kruger, Winsor, Kealoha, Kelli, Frank Cunha, Outrigger, fourth, Harvey, Watt, Lambert, Chapin, Thurston, Hitchcock.

Girls' Race Almost Dead Heat

The first race was the 50-yard novice. It was won by R. G. Watt of Outrigger, a post-entrant, with Harvey and von Holt, both of Outrigger, second and third. It was a nip-and-tuck race Winsor was the other starter, Hitchcock having been disqual-The time was :26 1-5. The 50-yard race for girls less than

fifteen years old was the closest race of thesmeet. Each lap almost was a dead heat. Miss Eleanor Lyser was the judges' selection for first; Miss powers, and slowly drew away from the judges' selection for first; Miss Kruger. Kenn third and Miss Elsie Auld fourth. How close the race was may be gathered from the belief of many he challenged earlier Langer doubtless that Miss Thelma Kenn, awarded third, would have made better time than he did. As it was Kruger gained enough did. As it was Kruger gained enough first. The only certainty about the to push Langer's stroke a little faster, and Langer won by fifteen feet with Kruger gaining. John Kealoha was scratched in this race. Three of five timers caught the time at 6:13 1-5; the The time was :36 3-5.

The time was :36 3-5.
Miss Irma Tarleton of Outrigger was proposed as a post-entrant in this race, but Miss Ruth Stacker of Palama protested, on the grounds that she had two girls, Misses Rose Robero and that Miss Tarleton should not be pre-

The 50 yard service was another nipand tuck race with Pingry, De Russy; B. Murphy, Dennis O'Brien and F. B. Prancisco could do in the wind-up

Miss Gerd Hiorth, unattached, won only one more lap was to be made. She seven, was running Miss Hopkins a close race No games are scheduled for today. New series will open tomorrow as follows: Salt Lake at San Francisco, Lorrin Audrews, Jr., Lorrin P. Thurs Oakland at Portland, Los Angeles at ton, both of Outrigger: Reginald C. Vernon.

Cooper, R. K. Fuller and Jack Hiorth

YESTERDAY'S RESULTS of Healani. Thurston was first with 126 points, to the 125 1 3 of Fuller.

220 Service a Pizgle The 220 yard service, as stated, was fizzle. Captain Britton miscounted the number of laps and fired his pistol, announcing the last lap, two laps too soon. The judges shouted to the swimmers, but all stopped, Murphy of the it was declared a no race.

oss of Pair By Cards and Chicago's Victory Sends Cubs To First Division

NATIONAL LEAGUE

St. Lonis . Brooklyn . Hoston . Pittsburgh AMERICAN LEAGUE Chlengo Boston Cleveland

The Western teams of the National League are hard at it cutting one an other's throats. The Cincinnati Reds opening a short series at St. Louis prior to the new series in the East, best the Cards in two games of a dou-ble-header yesterday, 7 to 0 and 7 to The two victories were sufficient to send the Reds to second place again over the Phillies, who were idle and who had had only a four-point lead. Suberbas Near the Cards

Chicago defeated Pittsburgh, 3 2, at Chicago. This and the loss of the Cards sent the Cubs into the first division, to which they had been strangers for a long time, and the Cards have fallen to fifth, fourteen points allead of the Brooklyn Super bas. Brooklyn easily may break into the first division during its stay on the home grounds.

Brooklyn will open at New York today and Philadelphia will open at Boston. The Western teams will play their first games in the Eastern cities Thursday.

White Sox Beat Cleveland

In the American League Chicago in creased its lead over Boston by win ning the first from Cleveland, 4 to 3 Detroit beat St. Louis at Detroit 8 to 0. Detroit is one and one-half games behind Cleveland. Yesterday's games did not change the positions of teams.

New York will open at Washington today. Boston will open at Philadelphia. New York probably will find hard sledding against the Senators.

The Eastern teams will appear in the West Priday. YESTERDAY'S RESULTS

National League
At Chicago—Chicago 3, Pittsburgh At St. Louis-Cincinnati 7, St. Louis 0; Cincinnati 7, St. Louis 6.

At Cleveland-Chicago 4, Cleveland

At Detroit-Detroit 8, St. Louis 0.

SALT LAKE GOES AHEAD OF ANGELS IN COAST LEAGUE

Bees Win Two From Portland: Vernon Makes It Five of Seven From Seals

COAST LEAGUE

Lost 57 58 62 67 67 73

Salt Lake wrested second place is the Coast League standings from Los Angeles yesterday by winning two from Portland at Portland, 7 to 2 and 7 to 5, while Los Augeles was losing one to Oakland, 0 to 8, and tying the second game, 6 to 6. The lead of the Angels prior to yesterday's games had with Vernon yesterday was to split even. The Scale lost the first, 2 to 3, and won the second, 6 to 3.

The series that closed yesterday Miss Gerd Hiorth, unattached, won the women's 100 yard championship by six feet from Miss Josephine Hopkins, Outrigger, in 1:20 1-5. Miss Kathleen Law quit at the end of the eighty yards because of a misunderstanding. She was told that she had two more laps to go, which she felt unable to make with her shoulder in the couding that she would have continued had she known only one more lap was to be made. She were decisive victories for three

YESTERDAY'S RESULTS At Portland-Salt Lake 7, Portland

; Salt Lake 7, Portland 5. At Vernon-Vernon 3, San Francisco, 2; San Francisco 6, Vernon 3. At Oakland —Oakland 8, Los An geles 0; Oakland 6, Los Angeles 6.

SAN FRANCISCO, August 13-Nor-Alert touching first at the end of the man Ross won the swim of the Golden uinth lap. Walker stopped at the end Gute here yesterday from a field of of the tenth. Murphy and Pingry fifty-seven contestants. His time was finished the eleventh in that order, but twenty-one minutes, thirteen and onefifth seconds.

Barney Oldfield Breaks Two Dirt-track Records

(Associated Press By U. S Naval Com-munication Service)

ST. LOUIS, August 12 Barney Oldfield has come back. In the automobile races held here yesterday he broke two world dirt-track records, racing against ach a world master as Ralph De Palms. Oldfield made the fifteen-mile distance in twelve minutes and four seconds, the old record being twelve minates and twenty-three seconds. Old-field's new record clips just eleven sec-onds off the old one.

In the ten-mile distance Oldfield clipped seventeen seconds off the old cecord, which was eight minutes, fifteen and four fifths seconds. The new rec-ord is seven minutes, fifty-eight and four-fifths seconds.

COAL MINERS STRIKE (Associated Press by U. S. Naval Com-munication Service)

KNOXVII.LE, Tennessee, August 12

More than 8000 coal miners went on trike yesterday. They demand an right hour day and higher wages. As set there has been no disorder.

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wa Plantation Company Wailaku Agricultural Co., Ltd. Apokaa Sugar Co., Ltd. Kobala Sugar Company Wahiawa Water Company, Ltd.

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